

Title (en)

Membrane for separating an organic solvent from a water-organic solvent mixture.

Title (de)

Membran zur Abtrennung eines organischen Lösungsmittels von einem Gemisch aus Wasser und organischem Lösungsmittel.

Title (fr)

Membrane pour la séparation d'un solvant organique d'un mélange d'eau et d'un solvant organique.

Publication

**EP 0461607 A2 19911218 (EN)**

Application

**EP 91109543 A 19910611**

Priority

- AU 7930091 A 19910625
- JP 13140091 A 19910603
- JP 15400490 A 19900614

Abstract (en)

A membrane for the separation of an organic solvent from a water-organic solvent mixture has a polymeric membrane (3, 41) of a copolymer consisting essentially of an alpha , beta -unsaturated carbonyl compound as a main monomer. The alpha , beta -unsaturated carbonyl compound includes an acrylic acid ester or a methacrylic acid ester. The polymeric membrane (3, 41) has a crosslinked structure. The polymeric membrane is carried on a support member in the form of a flat membrane (2, 43, 44, 51, 52), a pipe (50) or a hollow fiber (60) . The polymeric member (41) includes particles therein. The polymeric membrane is sandwiched by the support members (43, 44) to form a composite-type separation membrane. The composite-type separation membrane is modulated.

IPC 1-7

**B01D 61/36**; **B01D 69/12**; **B01D 71/40**

IPC 8 full level

**B01D 69/12** (2006.01); **B01D 71/40** (2006.01)

CPC (source: EP US)

**B01D 61/362** (2013.01 - EP US); **B01D 71/401** (2022.08 - EP US); **B01D 71/76** (2013.01 - EP US)

Cited by

US6001257A; EP0760250A1; NL1001060C2; WO9616725A1

Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

**EP 0461607 A2 19911218**; **EP 0461607 A3 19930224**; **EP 0461607 B1 19980408**; AU 635430 B1 19930318; JP 3195377 B2 20010806; JP H04227037 A 19920817; US 5173189 A 19921222

DOCDB simple family (application)

**EP 91109543 A 19910611**; AU 7930091 A 19910625; JP 13140091 A 19910603; US 71403691 A 19910612